

Application Serial No. 10/676,511
Reply to Office Action of October 5, 2004

PATENT
Docket: CU-3385

Amendments To The Specification

Please replace the paragraph in the Specification page 2, line 22 to page 3, line 22 with the following amended paragraph:

A facility of an existing pigpen 100 according to the existing standard design drawing includes sewage channels 2 installed in the left-hand and right-hand of a working passage 1 formed in the pigpen 100. Each of the left and right pig houses 10 includes vertically shaped pipe partitions 22a and 23a which are installed upright with a height of 1.2m ~ 1.5m. A vertically shaped pipe partition is installed in the front face of each pig house 10, and thus a worker cannot feed directly into a feed bucket 13 in the pig house 10. Accordingly, an iron-made feed input container 26 is attached on part of each partition 23a, with which feed is not be equally supplied but inconveniently and indirectly input all at a time. The partition 23a is used as an entrance and exit gate when the excretion generated in the left and right pig houses or the excretion and urine mixed with sawdust is collected and then water-cleaned. Wastewater channels are installed in the left and right of the working passage 1. As a result, the working passage 1 is always in a polluted state, ~~smells~~ produces offensive odor, and provides a habitat for bacilli and harmful insects. Also, the vertically shaped pipe partitions 22a and 23a cause an economical burden on an installation thereof. If block wall partitions are installed as an alternative, sunlight is intercepted and wastewater is absorbed on the block walls, and thus heightens humidity, to thereby provide a habitat for bacilli and harmful insects, which becomes a factor for lowering a growth rate of pigs, and further pollutes dark and dim pig houses 10.

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Please replace the paragraph in the Specification page 6, lines 9-18 with the following amended paragraph:

An amount of wastewater generated per day from a pig is 8.6kg which is shown in Korean Government Environment Department Publication No. 1999-109. Since a total number of pigs bred in 2001 is about 88 millions, a yearly amount of wastewater generated is about 27 million tons. A BOD concentration of the wastewater is 20,000 ~ 25,000ppm. By the way, since a local facility built in each province is a public pigpen wastewater processing facility which processes the wastewater based on the BOD concentration of 5,000ppm, such facilities cannot run at present, ~~which makes a big problem.~~